Title (en)

IMAGE ADJUSTMENT FOR AN EYE TRACKING SYSTEM

Title (de)

BILDANPASSUNG FÜR EIN AUGENVERFOLGUNGSSYSTEM

Title (fr)

AJUSTEMENT D'IMAGES POUR UN SYSTÈME DE SUIVI OCULAIRE

Publication

EP 3745944 B1 20240306 (EN)

Application

EP 19746974 A 20190128

Priority

- US 201815885176 A 20180131
- US 2019015379 W 20190128

Abstract (en)

[origin: US2019235247A1] Embodiments generally relate to adjusting images for an eye tracking system. In some embodiments, a method includes presenting one or more images to a user. The method further includes obtaining gaze tracking data relating to a gaze of the user with respect to the one or more images presented to the user. The method further includes detecting one or more first gaze characteristics from the gaze tracking data, wherein the one or more first gaze characteristics indicate a first state of the gaze of the user. The method further includes reducing a brightness of at least a portion of the one or more images presented to the user based on the one or more first gaze characteristics.

IPC 8 full level

G06F 3/147 (2006.01); **G02B 27/00** (2006.01); **G02B 27/01** (2006.01); **G06F 3/01** (2006.01); **G06V 20/20** (2022.01); **G06V 40/18** (2022.01); **G09G 5/00** (2006.01)

CPC (source: EP US)

G01V 8/22 (2013.01 - US); **G02B 27/0172** (2013.01 - US); **G06F 3/013** (2013.01 - EP US); **G06F 3/147** (2013.01 - EP); **G06V 20/20** (2022.01 - EP); **G06V 40/18** (2022.01 - EP); G02B 27/0093 (2013.01 - EP US); G02B 27/0172 (2013.01 - EP); G02B 2027/0118 (2013.01 - EP); G09G 2320/0626 (2013.01 - EP US); G09G 2320/0686 (2013.01 - EP); G09G 2354/00 (2013.01 - EP)

Citation (examination)

- US 2016328015 A1 20161110 - HA ERIC [US], et al
- US 2013242262 A1 20130919 - LEWIS SCOTT W [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10859830 B2 20201208; **US 2019235247 A1 20190801**; CN 111670001 A 20200915; CN 111670001 B 20240618; EP 3745944 A2 20201209; EP 3745944 A4 20211103; EP 3745944 B1 20240306; JP 2021513154 A 20210520; JP 7001832 B2 20220120; WO 2019152306 A2 20190808; WO 2019152306 A3 20200430

DOCDB simple family (application)

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